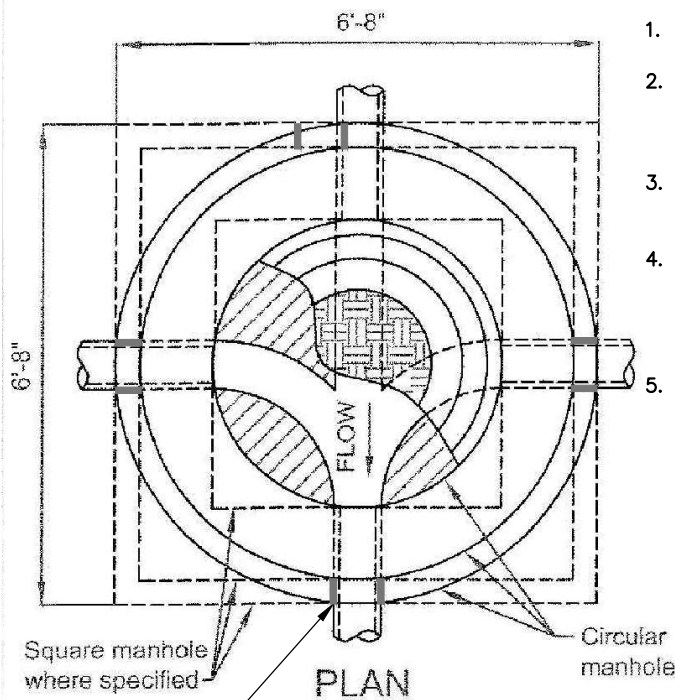


NOTES

1. Mortar (Type S) for masonry work shall be Type S mortar in accordance with ASTM C-270.
2. Cast iron frame and cover shall be campbell foundry pattern no. 1012A. Refer to Village precast cast concrete sanitary sewer manhole general note 6 and storm/sanitary sewer manhole casting standard construction details for frame and cover information.
3. Where pipe diameter are greater than 36", a Type 'C' concrete block manhole may be constructed at the discretion of the Village Engineer.
4. Mortar shall meet NYSDOT specification 705-21 "mortar for concrete masonry". Mortar shall be composed of two (2) parts type ii portland cement (ASTM C-150), one (1) part hydrated lime (ASTM C-207, Type S) and nine (9) parts sand (ASTM C-144), well graded with no grain larger than will pass a number 8 sieve.
5. Refer to Village precast concrete sanitary sewer manhole standard construction detail for excavation pay limits and backfill material (NYSDOT Item No. 204.01 "CLSM" with Fly Ash)

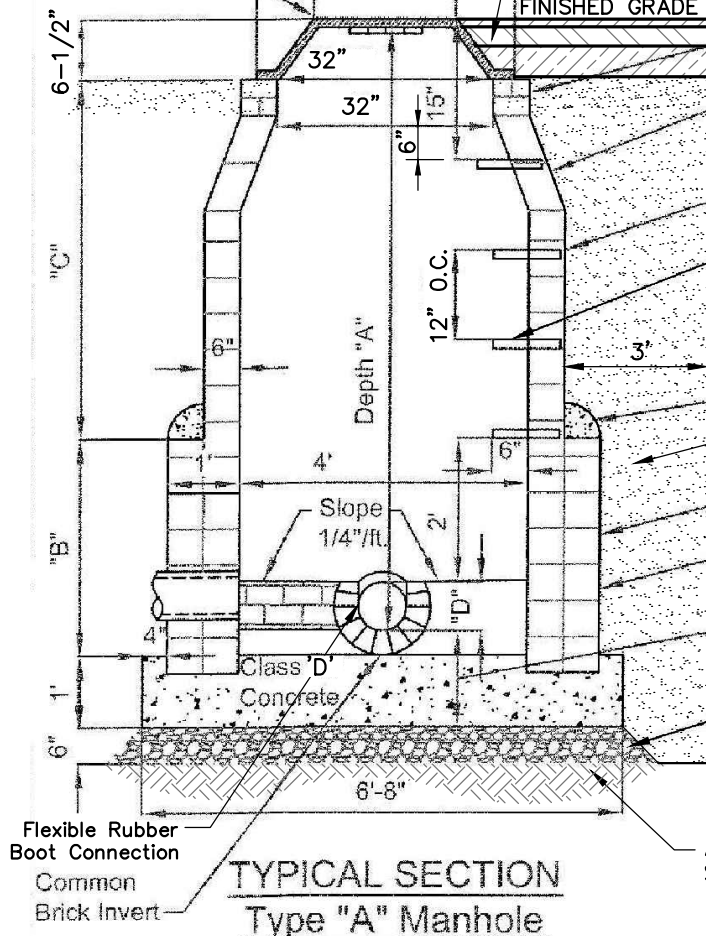
MANHOLE DIMENSIONS

Depth "A" Top of Casting To Invert	"B" Height of 12" Wall	"C" Height of 6" Wall
6'-0"	2'-6"	3'-0"
7'-0"	3'-0"	3'-6"
8'-0"	3'-6"	4'-0"
9'-0"	3'-6"	5'-0"
10'-0"	4'-0"	5'-6"
11'-0"	4'-0"	5'-6"
12'-0"	4'-0"	7'-6"
13'-0"	4'-6"	8'-0"
over 13'-0"	Construct Precast Manhole	



PLAN

Square manhole where specified
Flexible Rubber Boot Connection (Typical for All Pipe Connections)
Top of Casting = Finish Grade
Circular manhole
BITUMINOUS CONCRETE PAVEMENT SECTION (REFER TO VILLAGE STANDARD CONSTRUCTION DETAIL)



TYPICAL SECTION
Type "A" Manhole

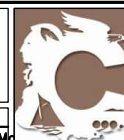
- Two (2) Courses of Common Brick (minimum)
- 1" Cement Parge and Bituminous waterproofing on Sanitary Sewer Manhole. Exterior coating for manhole shall be either Mobil 78-J-2 Val-Chem Tar-Coat, Rust-Oleum 9300 Epoxy System or approved equal.
- 6" Solid Concrete Block
- 16" aluminum or reinforced plastic manhole steps 12" on center (16" max.). Steps shall be Neenah No. R-1981-0 or approved equal. Steps shall be embedded into the structure walls a minimum of 3 inches. Rung shall project a minimum clear distance of 4 inches from the structure walls measured from the point of embedment.
- 1:2 Mortar
- REFER TO NOTE 5
- 6" Solid Concrete Block
- 1" Cement Parge waterproofing on Storm Drain manhole.
- Not less than 16" unless otherwise ordered
- 12" THICK APPROVED COMPACTED 3/4" CRUSHED STONE FOUNDATION COURSE (NYSDOT ITEM NO. 623.12, SIZE DESIGNATION 2)
- APPROVED COMPACTED SUBGRADE

NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR ALL MANHOLE CONSTRUCTION MATERIALS TO COMMISSIONER OF PUBLIC WORKS/VILLAGE ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO FLEXIBLE RUBBER BOOT CONNECTION ON VILLAGE PRECAST CONCRETE SANITARY SEWER MANHOLE STANDARD CONSTRUCTION DETAIL.

VILLAGE OF CROTON-ON-HUDSON
STANDARD CONSTRUCTION DETAILS

SANITARY SEWER MANHOLE (TYPE 'A' - CONCRETE BLOCK)



VILLAGE OF CROTON-ON-HUDSON
STANLEY H. KELLERHOUSE MUNICIPAL BUILDING
1 VAN WYCK STREET (2ND FLOOR)
WESTCHESTER COUNTY
VILLAGE OF CROTON-ON-HUDSON, NY 10520
PHONE: (914) 271-3775
FAX: (914) 271-2856

PROJECT: DETAILS
SCALE: NOT TO SCALE
DATE: 04/10/2015

PREPARED IN THE
OFFICE OF THE
COMMISSIONER OF PUBLIC WORKS

DESIGNED BY: ARC, PE
DRAWN BY: ARC, PE
CHECKED BY: ARC, PE
VOCOH SD-4E_Sanitary Sewer Manhole.dwg

SD-4E